



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,788	09/23/2003	Steven S. Anspach	20-521	9569

7590 10/06/2006
Manelli Denison & Selter PLLC
7th Floor
2000 M Street, N.W.
Washington, DC 20036-3307

EXAMINER

WRIGHT, INGRID D

ART UNIT	PAPER NUMBER
----------	--------------

2835

DATE MAILED: 10/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/667,788

Applicant(s)

ANSPACH ET AL.

Examiner

Ingrid Wright

Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 9/23/03.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>7/10/06</u> | 6) <input checked="" type="checkbox"/> Other: <u>5 Attachment</u> |

DETAILED ACTION

Information Disclosure Statement

1. The Examiner acknowledges the information disclosure statements filed by the applicant on 7/10/06 and the additional Non Patent literature documents filed on 11/8/05, although not listed on a IDS form.

Note: Please list the Non-Patent literature documents dated 11/8/05 on the appropriate IDS form for the Applicant's official records.

Claim Rejections - 35 USC § 112

2. Claim 1 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

With respect to claim 1, regarding limitations: "at least four connector on a rear of an encryption unit to be slide over said top surface, said bottom surface, said left surface, and said right surface, and into connection with at least four mounted connectors," is unclear how the unit slides over all the surfaces as claimed.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject

Art Unit: 2835

matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schmitt US 5652695 in view Corfits et al. US 4853830 & Applicant Admitted Prior Art (AAPA).

Note: See attached fig. 6 & 7 of AAPA, fig. &A of Schmitt & fig. 2 & 3 of Corfits et al. for elements representing claimed limitations in the instant application.

With respect to claim 1, as best understood, Schmitt teaches a carrier (25) for hard drive, which functions as a bracket, the carrier (25) comprises: a right surface (see, fig. 7A of Schmitt); a bottom surface (see, fig. 7A of Schmitt) secured to said right surface; a left surface (see, fig. 7A of Schmitt) secured to said top surface; and a rear surface (see, fig. 7A of Schmitt), wherein said rear surface of a board (200) (see, fig. 7A of Schmitt) is movably secured in a rear area so as to allow for a given amount of left/right and up/down tolerance in alignment between said at least a connector (see, col. 7, lines 32-33 of Schmitt) mounted on said rear surface and a matching at least a connectors (see, col. 7, lines 32-33 of Schmitt) on a rear of the drive carrier, but is silent specifically as to a plurality of connectors.

Insofar as the claim language can be understood, electrical component (10) slides onto base (30), which has a top and bottom surface.

Corfits et al. teaches a plurality of connectors (see, fig. 3 of Corfits et al.) on a rear surface (85) of a cable carrier (20), said connectors being normally associated with individually secured cables; wherein said rear surface is movably secured in a rear area so as to allow for a given amount of left/right and up/down tolerance in alignment between said connectors (see, fig. 3 of Corfits et al.) mounted on said rear surface

Art Unit: 2835

(85) and matching connectors (see, fig. 3 of Corfits et al.) on a rear (85) of the cable carrier (20), but is silent specifically as to an encryption unit.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize the plurality of connectors in the invention of Schmitt, in order to provide an alternate equivalent means of providing electrical connectivity for an electronic component.

AAPA teaches an encryption unit (see, fig. 7 of AAPA), having multi-connectors (710,712,714,716) located at a rear surface of the unit.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize the encryption unit of the AAPA in the invention of Schmitt, in order to provide a carrier structure with blind mating capabilities (see, col. 4, lines 32-35 of Schmitt), for any electronic component, such as an encryption unit.

With respect to claim 2, Schmitt as modified by Corfits et al. & AAPA, teaches a connector (see, fig. 7A of Schmitt & fig. 3 of Corfits et al. fixedly mounted to a rear surface (200) and (85) respectfully.

With respect to claim 3, Schmitt as modified by Corfits et al., teaches a drive carrier (25), which functions as a mounting bracket for a hard drive unit (10), slidably received within a bay of a computer system (see, Abstract of Schmitt), but is silent specifically as to an encryption system.

AAPA illustrates an encryption system for a communication system (see, fig. 6 of AAPA).

Art Unit: 2835

It would have been obvious to one having ordinary skill in the art at the time the invention was made to replace the hard drive unit with the encryption of AAPA, in the invention of Scmitt as modified by Corfits et al., in order to provide a housing for a removable electronic component.

With respect to claim 4, Schmitt teaches a slidable bracket (25), which grips a unit mounted therein by sidewalls, having protrusions (unlabeled, fig. 2 of Schmitt), which act as lips for gripping the unit mounted therein. Further, pull potion (90) of Schmitt allows the unit to be installed and disconnected from the rear connectors.

With respect to claim 5, the bottom surface of the bracket (25) of Schmitt is slidable.

With respect to claim 6, Schmitt teaches cut-out areas (21,22,55) in said bottom surface (30) of said mounting bracket (25).

With respect to claim 7, Schmitt as modified by Corfitt et al. & AAPA, teaches wherein said rear surface (see, fig. 7 of Schmitt) is a panel captured in a slot defined by lip (45) & rib (55) in base (30) to capture panel (col. 5, lines 42-44 of Schmitt).

With respect to claim 8, Scmitt as modified by Corfits et al. & AAPA, teaches a slidable bracket (25) (surfaces shown in fig. 7A of Schmitt), which grips a unit mounted therein by side walls, having protrusion (unlabeled, fig. 2 of Schmitt), which act as lips for gripping the unit mounted therein. A pull potion (90) of Schmitt allows a unit to be disconnected from the rear connectors and further teaches an encryption unit (700).

Art Unit: 2835

With respect to claim 9, AAPA teaches wherein: said encryption unit (700) is a Type 1 encryption unit, but is silent as to a mounting bracket.

Schmitt states that the carrier can be used for any system that must be blindly mated.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to mount the AAPA unit in the invention of Schmitt as modified by Corfits et al., in order to provide a carrier structure with blind mating capabilities (see, col. 4, lines 32-35, for any electronic component, such as an encryption unit).

With respect to claim 10, AAPA teaches wherein: said encryption unit (700) is a KIV-7 encryption unit, but is silent as to a mounting bracket.

Schmitt states that the carrier can be used for any system that must be blindly mated.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize the mount the AAPA unit of in the carrier of Schmitt as modified by Corfits et al., in order to provide a carrier structure with blind mating capabilities (see, col. 4, lines 32-35, for any electronic component, such as an encryption unit).

With respect to claim 11, Schmitt as modified by Corfits et al., AAPA teaches a bracket made of a plastic material (see, col. 3, line 43 of Schmitt).

Art Unit: 2835

With respect to claim 12, Schmitt has insert of metal (fig. 5 of Schmitt) for grounding, but is silent specifically as to bracket being primarily made of metal.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize the bracket of Schmitt to be formed primarily of metal for grounding purposes.

With respect to claim 13, Schmitt teaches the use of metal, but is silent specifically as to the bracket being made of an aluminum metal.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use an aluminum metal in bracket of Schmitt, as modified by Corfits et al. & AAPA, or any other commonly used metal for manufacture based upon availability & cost.

With respect to claim 14, Schmitt teaches a sheet metal, but is silent specifically as to a titanium metal.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize a titanium metal material in the invention of Schmitt as modified by Corfits et al. & AAPA, or any other commonly used metal for manufacture based upon availability & cost.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Luckeneder et al. US 5982888 shows the general state of the art regarding encryption units.

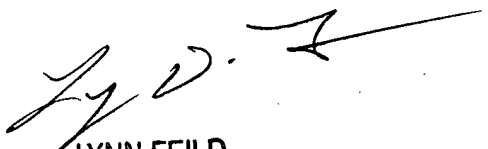
Art Unit: 2835

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ingrid Wright whose telephone number is (571)272-8392. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571)272-2800, ext 35. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

IDW


LYNN FEILD
SUPERVISOR
PATENT EXAMINER

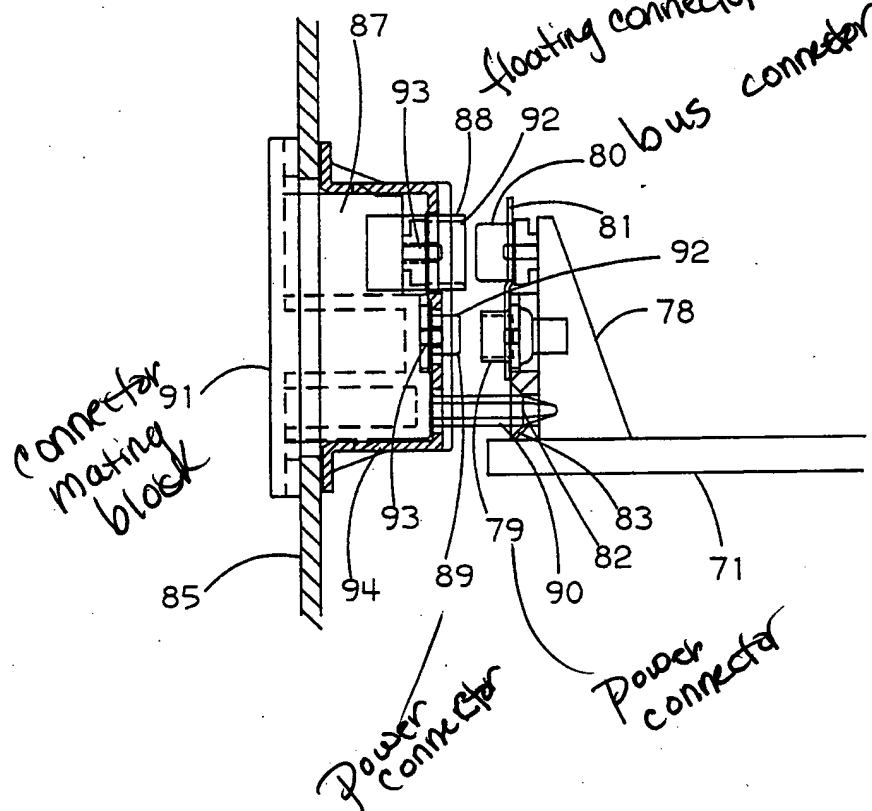


FIG. 3

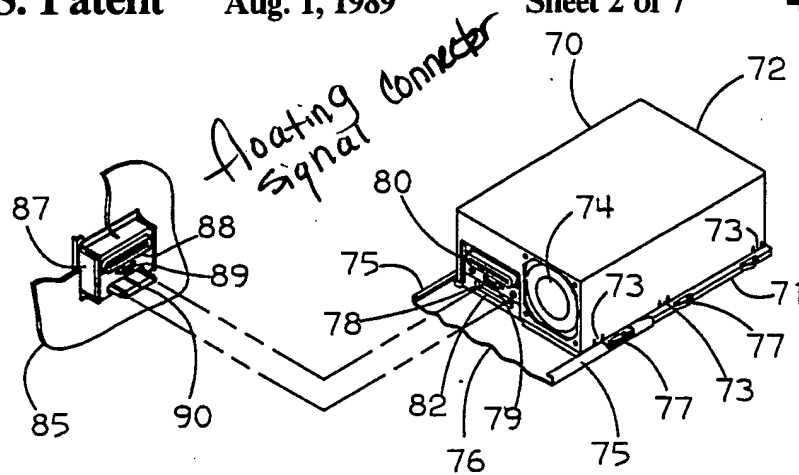
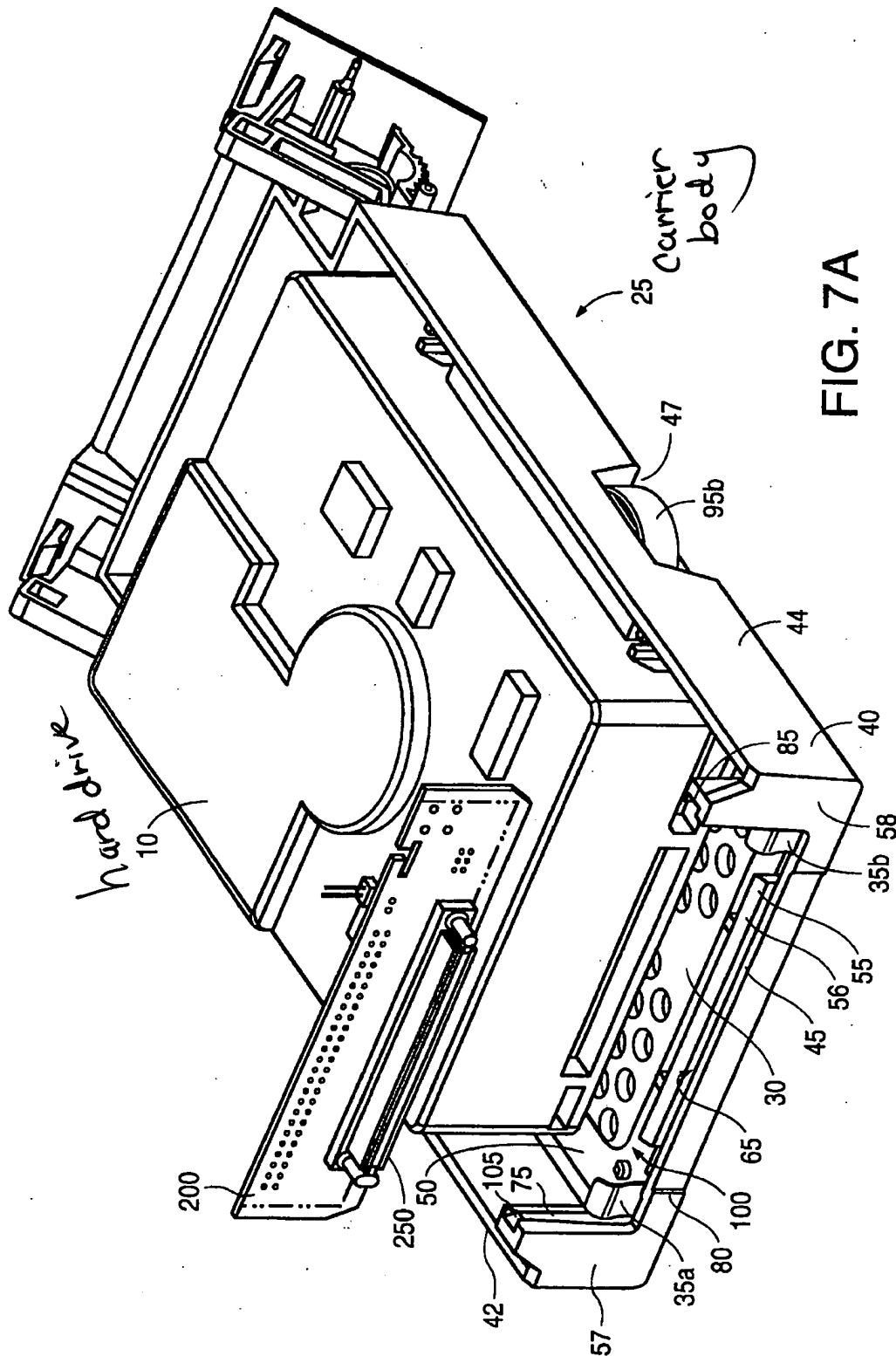


FIG. 2



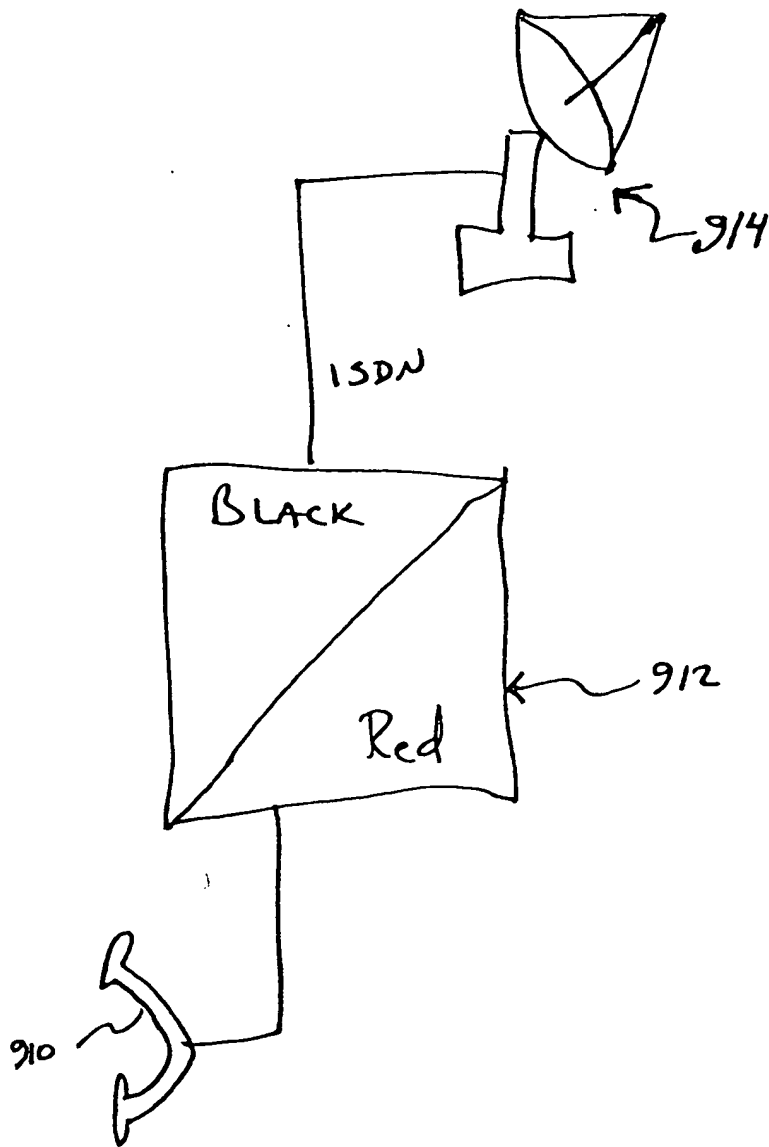


FIG. 6

PRIOR ART